

John W. CHERWON RODZKY
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

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Table V: ELISA readings for anti-fungal/yeast antibodies binding to antigens from fungal/yeast culture supernatants

Antigen (Fungal/Yeast Culture Supernatants)	ELISA readings (A 405 nm) ^a	
	Controls	Test sera
	Negative control sera	Anti-fungal antisera
<i>Alternaria</i>	0.033 ± 0.030	0.249 ± 0.020
<i>Aspergillus</i>	0.018 ± 0.014	0.321 ± 0.108
Baker's Yeast	0.015 ± 0.010	0.195 ± 0.021
<i>Bipolaris</i>	0.025 ± 0.011	0.152 ± 0.048
<i>Chaetomium</i>	0.021 ± 0.006	0.129 ± 0.005
<i>Cladosporium</i>	0.029 ± 0.012	0.097 ± 0.012
<i>Fusarium</i>	0.060 ± 0.013	0.428 ± 0.196
<i>Neosartorya</i>	0.040 ± 0.011	0.156 ± 0.050
<i>Paecilomyces</i>	0.020 ± 0.004	0.100 ± 0.014
<i>Penicillium</i>	0.041 ± 0.011	0.557 ± 0.160
<i>Phoma</i> ^b	0.020 ± 0.006	0.062 ± 0.008
<i>Stachybotrys</i>	0.021 ± 0.013	0.059 ± 0.010
<i>Ulocladium</i>	0.033 ± 0.020	0.153 ± 0.011

^a ELISA readings for blank wells (no antigen nor sera) were subtracted from control and test wells (which had sera applied). Test antisera, that gave values at least 3 SD greater than for controls, are highlighted. Another control, placing sera from immunized mice onto potato dextrose medium as antigen coating the wells gave readings about twice (data not shown) that of the negative unimmunized sera on fungal/yeast supernatants shown above.

^b Due to the initial failure of *Phoma* to grow at the time of this test, its data was entered at a date later than the others.

highlighted (3)

Table VII: Affinity of SPECIFIC ANTISERA for different fungal or yeast antigens

Each antiserum tested on the following different antigens

ANTISERA to noted fungi or yeast	<i>Alt</i>	<i>Asp</i>	<i>Bak</i>	<i>Bip</i>	<i>Cha</i>	<i>Fus</i>	<i>Neo</i>	<i>Pae</i>	<i>Pen</i>	<i>Sta</i>	<i>Ulo</i>
<i>ALTERNARIA</i>	100	83	6	118	20	19	16	18	76	3	26
<i>Aspergillus</i>	5	100	19	28	33	42	26	32	55	9	46
Baker's Yeast	8	36	100	119	49	23	17	31	77	11	41
<i>Bipolaris</i>	9	113	1	100	26	11	26	26	67	10	0
<i>Chaetomium</i>	19	381	13	104	100	38	84	58	265	28	5
<i>Fusarium</i>	4	49	2	21	10	100	10	58	180	0	4
<i>Neosartorya</i>	12	242	16	69	58	88	100	78	182	41	32
<i>Paecilomyces</i>	62	262	51	722	63	52	91	100	218	58	52
<i>Penicillium</i>	8	144	4	31	16	17	58	40	100	16	10
<i>Stachybotrys</i>	48	620	38	377	138	81	212	173	279	100	8
<i>Ulocladium</i>	520	231	0	733	38	22	85	57	181	39	100

Notes: Mouse antisera pools raised to noted fungal mycelia (e.g. *Alternaria*) were tested for affinity for different fungal antigens (fungal culture supernatants). Letters and numbers are highlighted to assist reading of the above table. Homologous antisera-antigen combinations are given an arbitrary 100% and these are italicized. For this investigative study, *Phoma* antigen/antisera was not available and the antigen of *Cladosporium* at times gave false positives (especially when it was diluted in carbonate). To reduce clutter of the above table, standard deviations are not noted, these were about 10-30% of the averages (for 2 wells) shown.

Table IX: Anti-aflatoxin sera (pooled sera, wk 10 of vaccination schedule) antibody binding to different fungal/yeast antigens (A405nm, ELISA, peroxidase).

Mouse Anti-aflatoxin Sera				
	Anti-B1	Anti-B2	Anti-G1	Anti-G2
Control, potato medium	0.012 \pm 0.015	0.005 \pm 0.007	0.009 \pm 0.010	0.005 \pm 0.009
Pure Aflatoxin				
B1	0.605 \pm 0.027			
B2		0.534 \pm 0.047		
G1			0.595 \pm 0.017	
G2				0.491 \pm 0.020
Supernatants				
<i>Alternaria</i>	2.167 \pm 0.014	2.076 \pm 0	2.256 \pm 0.184	2.261 \pm 0.223
<i>Aspergillus</i>	1.787 \pm 0.019	1.699 \pm 0.028	1.883 \pm 0.080	1.835 \pm 0.092
Baker's Yeast	0.858 \pm 0.035	0.873 \pm 0.024	0.975 \pm 0.092	1.053 \pm 0.002
<i>Bipolaris</i>	0.423 \pm 0.020	0.433 \pm 0.006	0.395 \pm 0.018	0.469 \pm 0.002
<i>Chaetomium</i>	0.179 \pm 0.008	0.249 \pm 0	0.276 \pm 0.040	0.275 \pm 0.011
<i>Cladosporium</i>	0.521 \pm 0.016	0.415 \pm 0.008	0.430 \pm 0.023	0.495 \pm 0.009
<i>Fusarium</i>	0.007 \pm 0.008	0 \pm 0.004	0 \pm 0.007	0.017 \pm 0.022
<i>Neosatorya</i>	0.303 \pm 0.015	0.224 \pm 0.006	0.269 \pm 0.011	0.251 \pm 0.015
<i>Paecilomyces</i>	0.985 \pm 0.045	1.057 \pm 0.021	0.965 \pm 0.014	0.973 \pm 0.007
<i>Penicillium</i>	1.043 \pm 0.013	0.981 \pm 0.011	0.949 \pm 0.036	0.961 \pm 0.027
<i>Phoma</i>	0.231 \pm 0.007	0.245 \pm 0.005	0.253 \pm 0.002	0.213 \pm 0.017
<i>Stachybotris</i>	0.228 \pm 0.021	0.219 \pm 0.022	0.251 \pm 0.004	0.219 \pm 0.020
<i>Ulocladium</i>	0.717 \pm 0.044	0.495 \pm 0.033	0.621 \pm 0.039	0.740 \pm 0.028